SIMPLE, EASY

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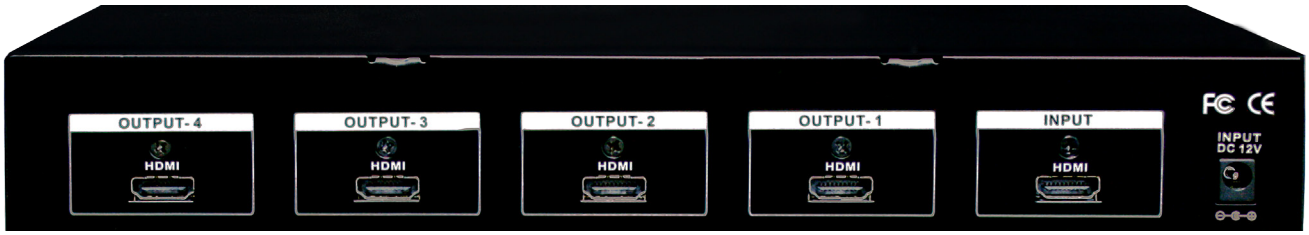
1x4 HDMI v1.3 Distribution Amplifier

AT-HD-V14

User Manual



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Introduction

The Atlona AT-HD-V14 1x4 HDMI 1.3 Distribution Amplifier provides the most cost effective and advanced HDMI 1.3 splitter solution on the market, by which the high definition video and high quality audio can be transmitted to 4 different locations without losing quality. With built-in USB firmware update mechanism, the compatibility among countless HDMI sources and receivers can be further guaranteed. With 12 bit deep color video and high definition audio support, AT-HD-V14 is suitable for high quality A/V broadcasting, digital signage and education applications!

Features:

- Fully support resolutions 480i/480p, 576i/576p, 720p, 1080i, 1080p, 1920x1200
- Fully Support HDMI version 1.3
- Support HDCP compliant devices
- I/O Signals : HDMI with HDCP Digital Video and Digital Audio (PCM)
- Support wide range of PC resolutions from XGA to WUXGA 1920x1200
- Amplifier and Equalizer functions enable longer HDMI Cable
- Expand 4 HDMI outputs of your High-definition Source
- Fashionable metal housing design, free of interference
- Supports link speeds of up to 2.25 Gbps (link clock rate of 225 MHZ)
- Supports Digital Video TMDS formats in Deep Color 12bits
- Supports color depth of up to 36 bits
- Bi-direction color space conversion(SCS) between RGB and YCBCR • Gold plated connectors

Automatic EDID learning will detect all the connected HDMI equipped monitors and analyze all the content of EDID. The EDID with minimal resolution support will be the reference EDID for incoming HDMI source players.

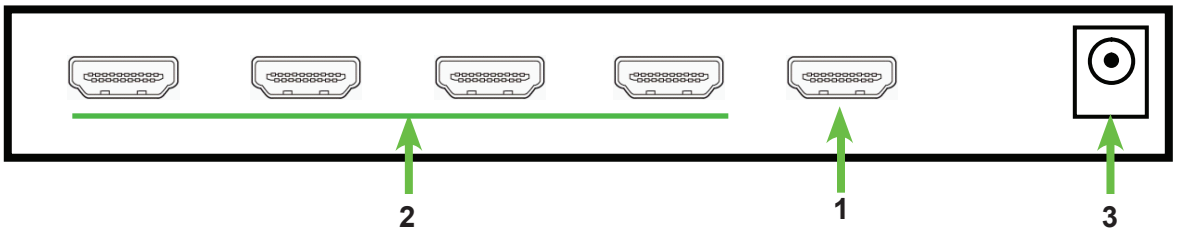
- Inputs: 1x HDMI
- Outputs: 4 x HDMI
- Signal Supports: HDMI Standard, DVI and HDCP Compliant
- Supports HDMI formats up 1080p or 1920x1200
- Supports DVI UXGA 1920x1200 HD resolutions
- Supported Audio: DTS-HD Master Audio, Dolby True -HD & Dolby Digital Plus
- TMDS Digital Video PCM Digital Audio
- HDMI and HDCP Compliant
- Data Rates: 250Mbps to 2.25 Gbps. Pixel clocks: 25MHz to 225 Mhz.
- HDMI Cable Distance: 10 meters at 2.25Gbps.
- Supports digital video standards such as:

  RGB/YCBCR: 24/30/36-bits; YCBCR:
  8/10/12/16/20/24-bits;
  Double data rate interface for RGB/YCBCR: 12/15/18-bits
- Safety Approvals: CE, FCC, RoHS (2002/95/EC)
- Power Supply: 12V
- Weight: 4lbs
- Dimensions: (inch) 12(W) x 6(D) x 1.8(H) --- 1U
- Package contents:

  - 1x4 HDMI Distribution Amplifier (AT-HD-V14)
  - Rack Ears - 1U
  - 12V Universal Power Supply
  - User's Manual

Panel Descriptions

Rear Panel

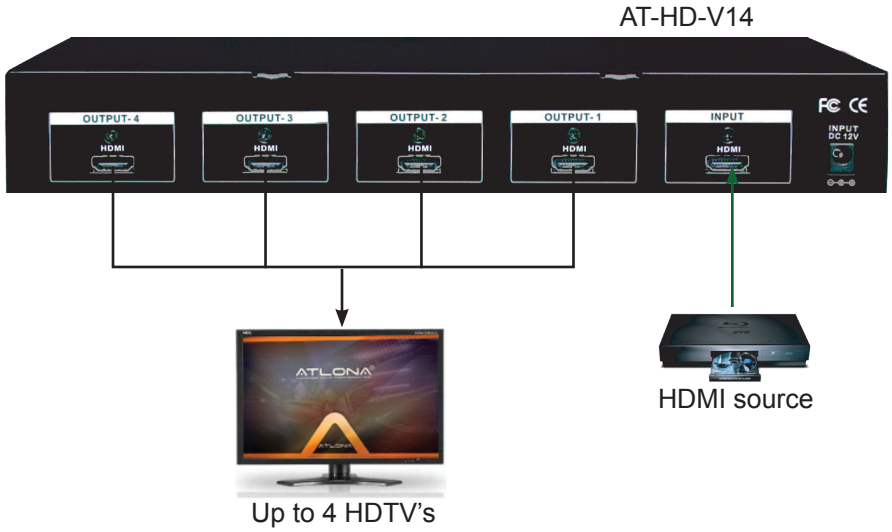


1. HDMI IN: HDMI input source
2. HDMI OUT: Distributed HDMI outputs
3. DC IN: 5V 2A

Hardware Installation

Broadcasts HDMI signal to 4 HDMI displays!

1. Switch off all devices, including monitors.
2. Connect to the receivers.
3. Connect an HDMI source (such as a Blu-ray Disc player) to the HDMI In.
4. Plug in 5V DC power supply.
5. Power on the HDMI monitors.
6. Power on the HDMI source.



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Notice

1. While connecting a new monitor to the splitter, experiencing a short period no display may be expected. Automatic EDID learning will analyze the newly connected monitor to see if the EDID for the HDMI input is necessary to update!

2. For long range high definition HDMI transmission applications, please adopt CAT-5 cable based HDMI extenders.

Safeguards

- To reduce the risk of electric shock, do not expose this product to rain or moisture.
- If the wall plug does not fit into your local power socket, hire an electrician to replace your obsolete socket.
- Do not modify the wall plug.
  Doing so will void the warranty and safety features.
- This equipment should be installed near the socket outlet and the device should be easily accessible in case it requires disconnection.

Precautions

- FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.
- Operate this product using only the included external power supply. Use of other power supplies could impair performance, damage the product or cause fires.
- In the event of an electrostatic discharge, this device may automatically turn off. If this occurs, unplug the device, and plug it back in.
- Protect and route power cords so they will not be stepped on or pinched by anything placed on or against them. Be especially careful of plug-ins, or cord exit points from this product.
- Avoid excessive humidity, sudden temperature changes or temperature extremes.
- Keep this product away from wet locations such as bathtubs, sinks, laundries, wet basements and swimming pools.
- Use only accessories recommended by ATLONA to avoid fire, shock or other hazards.
- Unplug the product before cleaning. Use a damp cloth for cleaning. Do not use cleaning fluid or aerosols, which could enter the unit and cause damage, fire or electrical shock. Some substances may also mar the finish of the product.
- Never open or remove unit panels or make any adjustments not described in this manual. Attempting to do so could expose you to dangerous electrical shock or other hazards. It may also cause damage to your AT-HD-V14. Opening the product will void the warranty.
- Do not attempt to service the unit. Instead disconnect it and contact your Authorised ATLONA reseller or contact ATLONA directly.

WARRANTY

1. LIMITED WARRANTY

Atlona Technologies warrants that (a) its products (the "Product") will perform substantially in accordance with the accompanying written materials for a period of 3 YEARS from the date of receipt and (b) that the Product will be free from defects in materials and workmanship under normal use and service for a period of 3 years. In the event applicable law imposes any implied warranties, the implied warranty period is limited to 3 years from the date of receipt. Some jurisdictions do not allow such limitations on duration of an implied warranty, so the above limitation may not apply to Customer.

2. CUSTOMER REMEDIES

Atlona Technologies and its suppliers' entire liability and Customer's exclusive remedy shall be, at Atlona Technologies' option, either return of the price paid for the Product, or repair or replacement of the Product that does not meet this Limited Warranty and which is returned to Atlona Technologies with a copy of Customer's receipt. This Limited Warranty is void if failure of the Product has resulted from accident, abuse, or misapplication. Any replacement Product will be warranted for the remainder of the original warranty period or 3 year, whichever is longer.

3. NO OTHER WARRANTIES

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, ATLONA TECHNOLOGIES AND ITS SUPPLIERS DISCLAIM ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WITH REGARD TO THE PRODUCT AND ANY RELATED WRITTEN MATERIALS. THIS LIMITED WARRANTY GIVES CUSTOMER SPECIFIC LEGAL RIGHTS. CUSTOMER MAY HAVE OTHER RIGHTS DEPENDING ON THE JURISDICTION.

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ATLONA PRODUCT REGISTRATION

Thank you for purchasing this Atlona product — we hope you'll enjoy it.

We also hope that you'll take a few moments to register your new purchase. Registration creates an ownership record if your product is lost or stolen and helps ensure you'll receive notification of performance issues and firmware updates.

At Atlona, we respect and protect your privacy and assure you that your registration information is completely secure. Of course, Atlona product registration is totally voluntary and failure to register will not diminish your limited warranty rights.

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